UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: 6/13/86

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EPA REGION VI
1986 JUN 17 AM 7:43
SUPERFUND BRANCH

SUBJECT: Potential Hazardous Waste Site

FROM: Keith Bradley, FIT RPO
Hazardous Waste Section (6E-SH)

TO: Martha McKee, Chief
Compliance Section (6H-ES)

Site Name: Sun Refining + Marketing Co.
Location: Tulsa, OK
Hazsit No.: OK 1911
TDD No.: R6-8506-23

OKD058078775
filed in SA Vol 2

A. Deliverables:

1.	Preliminary Assessment (Form 2070-2)	attached ( )
2.	Site Inspection Report (Form 2070-3)	attached ( )
3.	Sampling Inspection Report	attached (X)
4.	Other: _____	attached ( )

B. Were drinking water wells sampled? Yes ( ) No (X)

C. Analytical Data:

1.	None collected	( )
2.	Field data	( )
3.	Contract lab results	attached (X)
4.	Houston lab results	attached ( )

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AUG 27 1992
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D. Comments:

FIT recommends no additional sampling at this site since the measures taken by the company to control erosion appear to be effective. FIT also indicates that periodic monitoring of the facility is recommended in order to check on erosion + seepage.

cc:(circle) Cabra (6W-S)
Gazda (6E-E)
Taylor (6H-CE)

No action needed - RCRA site - 6H-CP1

EPA Form 1320-6 (Rev. 3-76)

9532421

ECOLOGY AND ENVIRONMENT INC.,

REGION VI

MEMORANDUM

TO: Keith Bradley, Region VI RPO

FROM: David Anderson, FIT Chemist

THRU: K.H. Malone Jr., FIT RPM

DATE: June 5, 1986

SUBJ: Sampling Inspection at Sun Refining and Marketing Co., Tulsa, OK. (OK1911)
TDD# R06-8506-23

OKD058078775
filed in SA Vol 2

A six member FIT (Team Leader D. Anderson and Team Members G. McAnarney, J. Trusley, M. Pike, B. Barham and D. Tanksley) conducted a sampling inspection at the Sun Refining and Marketing Co., facility in Tulsa, OK on December 17 - 20, 1985. The purpose of the investigation was to determine if there was movement of waste material from the landfills on the facility toward the Arkansas River. The investigation centered on four inactive landfills located along the northern property line. All four landfills are located north of the Army Corp of Engineers flood control levee for the Arkansas River (see Figure 1). All four landfills are inactive. Sun representatives indicated that the contents of Landfill 3 had been removed and used in paving roads within the plant.

Twenty soil and three water samples were collected from twenty one locations during the investigation. The sample locations are shown on Figure 1 and are described in Table 1. Panoramic photos were also taken of each landfill and of the areas between Landfills 2 and 3 and the river (photos 25-30). Temperature and pH measurements were taken at each of the monitor wells sampled, both when the wells were bailed and when sampling the wells. These measurements are shown on Table 2. Table 3 contains measured data on monitor well depths and static water levels. Ground water flow is northward, toward the river.

Reviewed by GAW, SC date 6/9/86

The previous site inspection report indicated erosion problems in the area north of Landfill 3. Sun Refining has placed bales of hay in these paths (see photo 29) that appear to be effectively controlling the erosion. The inspectors noted a tar mat covering large portions of the surface of this area (photos 23 and 29), and also encountered a subsurface tar layer at several locations when digging the holes for sampling. A seepage of oily material from the base of Landfill 4 was also noted by the inspectors (photo 24). The surface of each landfill was in good condition, with Landfill 4 lacking cover vegetation. Other than the seepage noted above, the north